

8. (amended) A metal article that is finished using the process of any of claims 1-6.

• Please add new claims 9-21 as follows:

9. (new) The method of claim 1, wherein the finishing apparatus is vibratory.

10. (new) The method of claim 1, wherein the surface property of the metal article is selected from the group consisting of superfinish, isotropic, specular brightness and combinations thereof.

11. (new) The method of claim 1 wherein said non-abrasive media are selected from the group consisting of plastic, alumina bonded with an unsaturated polyester resin, metal, stainless steel, 302 grade stainless steel, and combinations thereof.

12. (new) A metal article finished by a method comprising the steps of:

a) placing said metal article in a finishing apparatus in combination with:

i. a chemical solution capable of reacting with the surface of said metal article to convert the surface of said metal article to a softer form, and

ii. a non-abrasive media; and

b) agitating said metal article, non-abrasive media, and chemical solution in said finishing apparatus until a desired surface property of the metal article is reached.

13. (new) The metal article of claim 12, wherein said non-abrasive media are made from a material that includes a plastic.

14. (new) The metal article of claim 12, wherein said non-abrasive media are made from a material that includes alumina bonded with an unsaturated polyester resin.

15. (new) The metal article of claim 12, wherein said non-abrasive media are made from a material that includes a metal.

16. (new) The metal article of claim 12, wherein said non-abrasive media are made from a material that includes stainless steel.

17. (new) The metal article of claim 12, wherein said non-abrasive media are made from a material that includes 302 grade stainless steel.

18. (new) The metal article of claim 12, wherein the surface property is superior to that produced by non-abrasive ceramic media or other abrasive media.

19. (new) The metal article of claim 12, wherein the finishing apparatus is vibratory.
20. (new) The metal article of claim 12, wherein the surface property of the metal article is selected from the group consisting of superfinish, isotropic, specular brightness and combinations thereof.
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wt 21. (new) The metal article of claim 12, wherein said non-abrasive media are selected from the group consisting of plastic, alumina bonded with an unsaturated polyester resin, metal, stainless steel, 302 grade stainless steel, and combinations thereof.
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